

Department of Biotechnology
Jamia Millia Islamia

RESEARCH PROJECTS

S.NO	PI	Project	Funding Agency	Amount (INR)	Year
1.	Prof. Mohammad Zahid Ashraf	1. Investigating the role of Hypoxia Inducible Factors-1a (HIF-1 α) and NLRP3 Inflammasome axis in Pre-Eclampsia during Pregnancy.	National Bioscience Award-Grant, Department of Biotechnology,	15 Lakh	2019-2022
		2. Effect of Hypoxia on tissue factor mediated coagulation pathway and their function in hypoxia induced thromboembolism.	SPARC- MHRD (International collaboration with National University of Singapore)	57 Lakh	2018-2020
		3. Determination of antithrombotic potential of traditionally used Unani formulations.	AYUSH, Govt of India,	58 Lakh	2018-2021
		4. Role of Poly(ADP-ribose) Polymerase-1 (PARP1) in Hypoxia-induced Thrombosis.	Shastri Institutional Indo-Canadian Collaborative Research	10 Lakh	2018-2021

		5. Vitamin D level at HA is Attributable to Higher Incidence of Thrombosis at High Altitude and the Role of NLRP3 inflammasome.	Department of Biotechnology	60 Lakh	2019-2022
		6. Search for novel anti-platelet and anti-thrombin peptides from Indian viper venom (<i>Daboia russelii</i>): Purification, characterization and evaluation of its antithrombotic potential	Department of Biotechnology (North East Region programme)	20 Lakh	2018-2021
		7. The LONG NONCODING RNA (lncrna) Landscape of hypoxia induced thrombosis.	Science and Engineering research board	55 Lakh	2019-2022
		8. Characterizing Milk Colostrum of Ladakhi Cows and Yak for Identification of Biomolecules with Therapeutic Potential	Department of Science & Technology (ASACODER program) Multicentric project: NDDRI Karnal, IISc, Bangalore; DRDO , Leh and JMI	40 Lakh	2020-2023
2.	Prof. Mohammad Husain	1. Investigation of anti HIV potential of some herbal plants <i>Adhatoda vasica</i> , <i>Boerhaavia diffusa</i> , <i>Cephalandra indica</i> and <i>Nardostachys jatamansi</i> from Indian subcontinent	CCRUM, Ministry of AYUSH	7,40,000/-	2017

3	Prof. Mohammad Mahfuzul Haque	1. Studies on endothelial nitric oxide synthase (eNOS) phosphorylation and its consequences on uncoupled NO synthesis, Tetrahydrobiopterin (BH4) recycling and superoxide generation	SERB-DST	53,55,400	2019
		2. Effect of Hypoxia on tissue factor mediated coagulation pathway and their function in hypoxia induced thromboembolism.	SPARC-MHRD	57 lakhs	2019
4	Dr. Meetu Gupta	Nutrient and metabolite profiling of rice and wheat growing in arsenic contaminated areas of Ballia district UP	SERB-DST	34,54,000	2018-2021
5	Dr. Kapil Dev	1. Evaluating prognostic significance of Her-2/neu oncogene in the development of colorectal cancer'	UGC	10, 45,000	2015-2018
		2. 'Crosstalk on Autophagic and Inhibitory Apoptotic Proteins: As molecules for therapeutic targets in breast cancer cells'	SERB-DST	53,82,960	2016-2020
		3. Immunohistochemical expression of Her 2 oncogene in colorectal cancer	IRA-JMI –UGC	1,00,000	2014-2015
		4. Endemic Fluorosis: Role of oxidative stress as a causative factor for Skeletal Fluorosis' in collaboration with A.I.I.M.S. New Delhi.	Ministry of Environment & Forest	22,23,360	2009-2012
6	Dr. Sadaf Fatima	1. Nanotechnology Core Grant	DBT	60 Lakh	2017-2020
		2. Unani Medicine	AYUSH	50 Lakh	2018-2021

7	Dr. Abdur Rub	1. Effect of cytokine on cholesterol biosynthetic genes and <i>Leishmania donovani</i> infection in macrophages	DST	25 Lakh	2016 (completed)
		2. Role of GPCRs in <i>Leishmania donovani</i> Infection in macrophages	UGC	06 Lakh	2015 -18
8	Dr. Syed Mansoor Ali	1. Integrating effects of Vitamin D and miRNAs in Lung Development and Injury	DBT	44 Lakh	
		2. Role of miRNAs in lung development and injury” Ramanujan Fellowship Research Grant	DST	89 Lakh	
		3. “Role of mitophagy in macrophage polarization and sepsis-induced acute lung injury” Core Research Grant	SERB	54 Lakh	